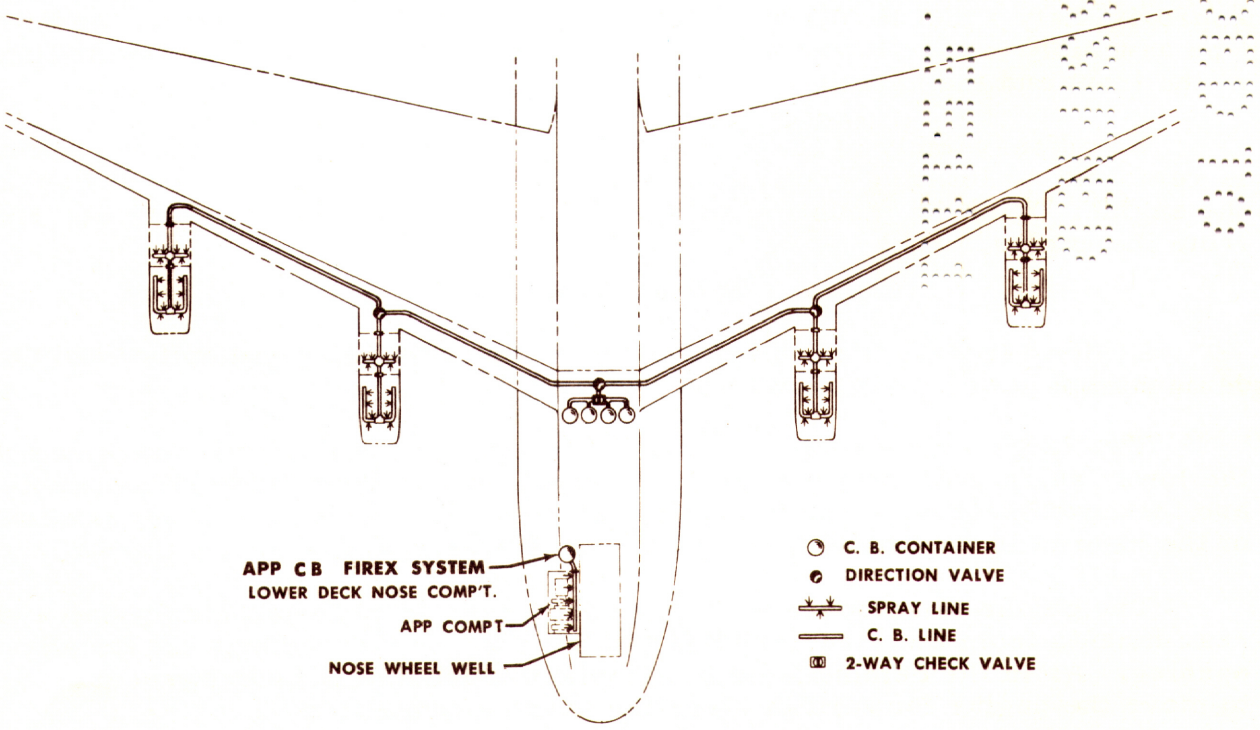
A mechanically operated fire shut-off valve at the tank outlet can be actuated, shutting off the flow of oil in case of a fire warning. No oil transfer system is used. A tank to engine vent is provided together with a breather line from the engine overboard. A schematic of the oil system is shown.

Deaerating means, and also methods of heating the oil system when required for extremely cold starts are under study.

FIRE PROTECTION AND EXTINGUISHING SYSTEM

A basic conept in the design for fire prevention was to provide separation of fuel sources from ignition sources wherever possible. When this separation could not be achieved, the areas have been considered potential fire zones, isolated by firewalls, and protected with a fire extinguishing system. Four CB spheres are located in the upper fuselage aft of the pressure bulkhead. The system is arranged so that a bank of two spheres may be discharged to any nacelle, thus providing a two-shot system. The auxiliary power plant is separately protected by an 8# CB sphere, electrically controlled from the systems engineer's panel.



SCHEMATIC — XC-132 FIRE EXTINGUISHER SYSTEM